

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/528,210
Filing Date	March 17, 2005
First Named Inventor	SMITH, Stephen R.
Art Unit	
Examiner Name	
Attorney Docket Number	3323

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TMG		US- 4,073,884	02-14-1978	Hartdegen et al.	
		US- 4,968,493	11-06-1990	Carter et al.	
		US- 5,015,487	03-14-1991	Collison et al.	
		US- 5,041,236	08-20-1991	Carpenter et al.	
		US- 5,043,176	08-27-1991	Bycroft et al.	
		US- 5,147,642	09-15-1992	Lotz et al	
		US- 5,296,464	03-22-1994	Tomita et al	
		US- 5,314,692	05-24-1994	Haarasilta et al.	
		US- 5,342,612	08-30-1994	Daley et al.	
		US- 5,356,625	10-18-1997	Ying	
		US- 5,372,810	12-13-1994	Onisha et al.	
		US- 5,458,876	10-17-1995	Monticello	
		US- 5,573,797	11-12-1996	Wilhoit	
		US- 5,573,800	11-12-1996	Wilhoit	
		US- 5,573,801	11-12-1996	Wilhoit	
		US- 5,597,564	01-28-1997	Ying	
		US- 5,601,823	02-11-1997	Williams et al.	
		US- 5,817,357	10-06-1998	Vandenbergh et al.	
TMG		US- 5,817,362	01-06-1998	Vandenbergh et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
TMG		CA 2,046,452	01-14-1992	Anderson et al.		
TMG		JP 62145025	06-29-1987	Nippon Kayaku		
TMG		EP 0466244	01-15-1992	Univer PLC et		
TMG		EP 0955061	11-10-1999	Medipharm		

Examiner Signature	<i>Supper</i>	Date Considered	3/31/06
--------------------	---------------	-----------------	---------

*EXAMINER: Initial preference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/528,210
Filing Date	March 17, 2005
First Named Inventor	SMITH, Stephen R.
Art Unit	
Examiner Name	
Attorney Docket Number	3323

Sheet 2 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TMG		US 5,851,827	12-22-1998	Titball et al.	
		US 5,877,272	03-02-1999	Vandenbergh et al.	
		US 5,902,579	05-11-1999	Eisenschink et al.	
		US 5,908,646	06-01-1999	Mayra-Makinen et al.	
		US 5,932,469	08-03-1999	Hillman	
		US 6,033,705	03-07-2000	Isaacs	
		US 6,080,401	06-27-2000	Reddy et al.	
		US 6,207,210	03-27-2001	Bender et al.	
		US 6,207,411	03-27-2001	Ross et al.	
		US 6,221,404	04-24-2001	Nguyen et al.	
		US 6,264,946	07-24-2001	Mullertz et al.	
		US 6,280,725	08-28-2001	Bom et al.	
		US 6,287,617	09-11-2001	Bender et al.	
		US 6,391,285	05-21-2002	Hillman	
		US 6,403,082	06-11-2002	Stiles et al.	
		US 6,451,365	09-17-2002	King et al.	
		US 6,537,544	03-25-2003	Johansson et al.	
TMG		US 6613,329	09-02-2003	Kink et al.	
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

8/31/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 4

Complete if Known

Application Number	10/528,210
Filing Date	March 17, 2005
First Named Inventor	SMITH, Stephen R.
Art Unit	
Examiner Name	
Attorney Docket Number	3323

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

[Signature]

Date	
Considered	

3/31/06

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to examiner. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.


This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/528,210
		Filing Date	March 17, 2005
		First Named Inventor	SMITH, Stephen R.
		Art Unit	
		Examiner Name	
Sheet 4	of 4	Attorney Docket Number	3323

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TMG		Patent Abstracts of Japan, Vol. 011, No. 371 (C-462) 3 December 1987 (1987-12-03) & JP 62 145025 A (Nippon Kayaku Co Ltd), 29 June 1987 (1987-06-29) Abstract	
		Identification of Clostridium tyrobutyricum as the causative agent of late blowing in cheese by species-specific PCR amplification; N. Klijn, F F J. Nieuwenhof, J D Hooftwerf, C B van der Waals, and A H Weerkamp, Applied and Environ Microbiol. 1995 August; 61 (8): 2919- 2924	
		Natural Food Antimicrobial Systems, ed. A. S. Nakdu, pp. 211-226. New York: CRC Press, Inc. and Lineweaver, H. , and C. W. Murray. 1947	
		Identification of the trypsin inhibitor of egg white with ovomucoid. J. Biol. Chem. 171, 585-581.	
		Systemic availability of bovine immunoglobulin G and chicken immunoglobulin Y after feeding colostrum and egg powder to newborn calves. Archives of Animal Nutrition, 50 (4), 369-380 Erhard, M. H., Gobel, E. , Lewan, B. , Losch, U. , Stangassinger, M. 1997.	
		Jin, I. Z., Baldoo, S. K. , Marquardt, R. R. Frohlich, A. A., 1998. In vitro inhibition of adhesion of enterotoxigenic Escherichia coli K88 to piglet intestinal mucus by egg-yolk antibodies. Immunology and Medical Microbiology, 21,313-321 ; Marquardt, R. R. , 2000.	
		Control of Intestinal diseases in pigs by feeding specific chicken egg antibodies. Egg Nutrition and Biotechnology, Sim, J. S. , Nakai, S. , Guenter, W. , (eds). CABI Publishing, 289-299; O'Farrelly C. Branton, D., Wanke, C. A. , 1992.	
		Oral Ingestion of egg yolk immunoglobulin from hens immunized with an enterotoxigenic Escherichia coli strain prevents diarrhea in rabbits challenged with the same strain. Infection and Immunity, 60 (7), 2593-2597.	
TMG		International Search Report dated February 5, 2004 prepared by the European Patent Office in its capacity as International Searching Authority, in connection with corresponding International PCT Application No. PCT/CA03/01359	

Examiner Signature		Date Considered	3/31/06
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.